

MGL-F-593.5/50~100mW

### LD PUMPED ALL-SOLID-STATE YELLOW LASER

All solid state 593.5nm yellow laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



#### SPECIFICATIONS

Wavelength (nm)	593.5 ± 1		
Operating mode	CW		
Output power (mW)	>50, 60, 80, ..., 100		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Transverse mode	TEM <sub>00</sub>		
M <sup>2</sup> factor	<1.5		
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~3.0		
Beam divergence, full angle (mrad)	<2.0		
Polarization ratio	>100:1		
Warm-up time (minutes)	<10		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	45		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-F-593.5	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>211 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.6 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>236 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.3 kg</p>	<p>238 (L) × 146 (W) × 94 (H) mm<sup>3</sup>, 2.2 kg</p>